

Romeo

1646

#6
1/17/97

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/207,168-DATE: 03/14/2000
TIME: 16:10:23

Input Set: I207168.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

PS

1 <110> APPLICANT: HINUMA, SHUJI
2 FUKUSUMI, SHOJI
3 KITADA, CHIEKO
4 <120> TITLE OF INVENTION: NOVEL PEPTIDES AND PRODUCTION AND USE THEREOF
5 <130> FILE REFERENCE: 48811(342)
6 <140> CURRENT APPLICATION NUMBER: US/09/207,168
7 <141> CURRENT FILING DATE: 1998-12-07
8 <150> EARLIER APPLICATION NUMBER: 8/146052
9 <151> EARLIER FILING DATE: 1996-06-07
10 <150> EARLIER APPLICATION NUMBER: 8/247710
11 <151> EARLIER FILING DATE: 1996-09-19
12 <150> EARLIER APPLICATION NUMBER: 8/272422
13 <151> EARLIER FILING DATE: 1996-10-15
14 <150> EARLIER APPLICATION NUMBER: PCT/JP97/01911
15 <151> EARLIER FILING DATE: 1997-06-05
16 <160> NUMBER OF SEQ ID NOS: 114
17 <170> SOFTWARE: PatentIn Ver. 2.0
18 <210> SEQ ID NO 1
19 <211> LENGTH: 17
20 <212> TYPE: PRT
21 <213> ORGANISM: Homo sapiens
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24 1 5 10 15
25 Lys
26 <210> SEQ ID NO 2
27 <211> LENGTH: 15
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens
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31 Met Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
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33 <210> SEQ ID NO 3
34 <211> LENGTH: 13
35 <212> TYPE: PRT
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40 <210> SEQ ID NO 4
41 <211> LENGTH: 29
42 <212> TYPE: PRT
43 <213> ORGANISM: Homo sapiens
44 <400> SEQUENCE: 4

TC 1600 MAIL ROOM

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PAGE: 2

RAW SEQUENCE LISTING PATENT APPLICATION US/09/207,168

DATE: 03/14/2000
TIME: 16:10:23

Input Set: I207168.RAW

45 Gln Glu Gly Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro
46 1 5 10 15
47 Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
48 20 25

49 <210> SEQ ID NO 5
50 <211> LENGTH: 62
51 <212> TYPE: PRT
52 <213> ORGANISM: Homo sapiens
53 <400> SEQUENCE: 5

54 Ser Ser Leu Leu Thr Phe Leu Ala Trp Trp Phe Glu Trp Thr Ser Gln
55 1 5 10 15
56 Ala Ser Ala Gly Pro Leu Ile Gly Glu Glu Ala Arg Glu Val Ala Arg
57 20 25 30
58 Arg Gln Glu Gly Ala Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met
59 35 40 45
60 Pro Cys Arg Asn Phe Phe Trp Lys Thr Phe Ser Ser Cys Lys
61 50 55 60

62 <210> SEQ ID NO 6
63 <211> LENGTH: 85
64 <212> TYPE: PRT
65 <213> ORGANISM: Homo sapiens
66 <400> SEQUENCE: 6

67 Leu Pro Leu Glu Gly Gly Pro Thr Gly Arg Asp Ser Glu His Met Gln
68 1 5 10 15
69 Glu Ala Ala Gly Ile Arg Lys Ser Ser Leu Leu Thr Phe Leu Ala Trp
70 20 25 30
71 Trp Phe Glu Trp Thr Ser Gln Ala Ser Ala Gly Pro Leu Ile Gly Glu
72 35 40 45
73 Glu Ala Arg Glu Val Ala Arg Arg Gln Glu Gly Ala Pro Pro Gln Gln
74 50 55 60
75 Ser Ala Arg Arg Asp Arg Met Pro Cys Arg Asn Phe Phe Trp Lys Thr
76 65 70 75 80
77 Phe Ser Ser Cys Lys
78 85

79 <210> SEQ ID NO 7
80 <211> LENGTH: 105
81 <212> TYPE: PRT
82 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 7

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86 Ala Thr Ala Ala Leu Pro Leu Glu Gly Gly Pro Thr Gly Arg Asp Ser
87 20 25 30
88 Glu His Met Gln Glu Ala Ala Gly Ile Arg Lys Ser Ser Leu Leu Thr
89 35 40 45
90 Phe Leu Ala Trp Trp Phe Glu Trp Thr Ser Gln Ala Ser Ala Gly Pro
91 50 55 60
92 Leu Ile Gly Glu Glu Ala Arg Glu Val Ala Arg Arg Gln Glu Gly Ala
93 65 70 75 80
94 Pro Pro Gln Gln Ser Ala Arg Arg Asp Arg Met Pro Cys Arg Asn Phe

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PAGE: 3

RAW SEQUENCE LISTING
 PATENT APPLICATION US/09/207,168

DATE: 03/14/2000
 TIME: 16:10:23

Input Set: I207168.RAW

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97          100          105
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99      <211> LENGTH: 12
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101     <213> ORGANISM: Homo sapiens
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104          1          5          10
105     <210> SEQ ID NO 9
106     <211> LENGTH: 33
107     <212> TYPE: PRT
108     <213> ORGANISM: Homo sapiens
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110      Ser Ser Leu Leu Thr Phe Leu Ala Trp Trp Phe Glu Trp Thr Ser Gln
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112      Ala Ser Ala Gly Pro Leu Ile Gly Glu Glu Ala Arg Glu Val Ala Arg
113          20          25          30
114      Arg
115     <210> SEQ ID NO 10
116     <211> LENGTH: 23
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123          20
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125     <211> LENGTH: 20
126     <212> TYPE: PRT
127     <213> ORGANISM: Homo sapiens
128     <400> SEQUENCE: 11
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130          1          5          10          15
131      Ala Thr Ala Ala
132          20
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134     <211> LENGTH: 88
135     <212> TYPE: PRT
136     <213> ORGANISM: Homo sapiens
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139          1          5          10          15
140      Ala Thr Ala Ala Leu Pro Leu Glu Gly Gly Pro Thr Gly Arg Asp Ser
141          20          25          30
142      Glu His Met Gln Glu Ala Ala Gly Ile Arg Lys Ser Ser Leu Leu Thr
143          35          40          45
144      Phe Leu Ala Trp Trp Phe Glu Trp Thr Ser Gln Ala Ser Ala Gly Pro

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PAGE: 4

RAW SEQUENCE LISTING PATENT APPLICATION US/09/207,168

DATE: 03/14/2000
TIME: 16:10:23

Input Set: I207168.RAW

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145          50          55          60
146      Leu Ile Gly Glu Glu Ala Arg Glu Val Ala Arg Arg Gln Glu Gly Ala
147          65          70          75          80
148      Pro Pro Gln Gln Ser Ala Arg Arg
149          85
150      <210> SEQ ID NO 13
151      <211> LENGTH: 51
152      <212> TYPE: DNA
153      <213> ORGANISM: Homo sapiens
154      <400> SEQUENCE: 13
155      gacagaatgc cctgcaggaa cttcttctgg aagaccttct cctcctgcaa a      51
156      <210> SEQ ID NO 14
157      <211> LENGTH: 45
158      <212> TYPE: DNA
159      <213> ORGANISM: Homo sapiens
160      <400> SEQUENCE: 14
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162      <210> SEQ ID NO 15
163      <211> LENGTH: 39
164      <212> TYPE: DNA
165      <213> ORGANISM: Homo sapiens
166      <400> SEQUENCE: 15
167      tgcaggaact tcttctggaa gaccttctcc tcttgcaaaa      39
168      <210> SEQ ID NO 16
169      <211> LENGTH: 87
170      <212> TYPE: DNA
171      <213> ORGANISM: Homo sapiens
172      <400> SEQUENCE: 16
173      caggaaggcg cccccccca gcaatccgcy cgccgggaca gaatgccctg caggaacttc 60
174      ttctggaaga ctttctcttc ctgcaaaa      87
175      <210> SEQ ID NO 17
176      <211> LENGTH: 87
177      <212> TYPE: DNA
178      <213> ORGANISM: Homo sapiens
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180      caggaaggcg cccccccca gcaatctgcy cgccgggaca gaatgccctg caggaacttc 60
181      ttctggaaga ctttctcttc ctgcaaaa      87
182      <210> SEQ ID NO 18
183      <211> LENGTH: 186
184      <212> TYPE: DNA
185      <213> ORGANISM: Homo sapiens
186      <400> SEQUENCE: 18
187      agcagcctcc tgactttcct cgcttggtgg tttgagtgga cctcccaggc cagtgccggg 60
188      cccctcatag gagaggaagc tcgggaggtg gccaggcggc aggaaggcgc accccccccag 120
189      caatccgcyg gccgggacag aatgccctgc aggaacttct tctggaagac cttctcctcc 180
190      tgcaaaa      186
191      <210> SEQ ID NO 19
192      <211> LENGTH: 186
193      <212> TYPE: DNA
194      <213> ORGANISM: Homo sapiens

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PAGE: 5

RAW SEQUENCE LISTING PATENT APPLICATION US/09/207,168

DATE: 03/14/2000
TIME: 16:10:23

Input Set: I207168.RAW

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197     cccctcatag gagaggaagc tcgggaggtg gccaggcggc aggaaggcgc accccccccag 120
198     caatctgcgc gccgggacag aatgccctgc aggaacttct tctggaagac cttctcctcc 180
199     tgcaaa 186
200 <210> SEQ ID NO 20
201 <211> LENGTH: 255
202 <212> TYPE: DNA
203 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 20
205     ctgcccctgg aggggtggccc caccggccga gacagcgagc atatgcagga agcggcagga 60
206     ataaggaaaa gcagcctcct gactttcctc gcttggtggt ttgagtggac ctcccaggcc 120
207     agtgccgggc ccctcatagg agaggaagct cgggaggtgg ccaggcgga ggaaggcgca 180
208     cccccccagc aatccgcgcg ccgggacaga atgccctgca ggaacttctt ctggaagacc 240
209     ttctcctcct gcaaa 255
210 <210> SEQ ID NO 21
211 <211> LENGTH: 255
212 <212> TYPE: DNA
213 <213> ORGANISM: Homo sapiens
214 <400> SEQUENCE: 21
215     ctgcccctgg aggggtggccc caccggccga gacagcgagc atatgcagga agcggcagga 60
216     ataaggaaaa gcagcctcct gactttcctc gcttggtggt ttgagtggac ctcccaggcc 120
217     agtgccgggc ccctcatagg agaggaagct cgggaggtgg ccaggcgga ggaaggcgca 180
218     cccccccagc aatctgcgcg ccgggacaga atgccctgca ggaacttctt ctggaagacc 240
219     ttctcctcct gcaaa 255
220 <210> SEQ ID NO 22
221 <211> LENGTH: 315
222 <212> TYPE: DNA
223 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 22
225     atgccattgt cccccggcct cctgctgctg ctgctctccg gggccacggc caccgctgcc 60
226     ctgcccctgg aggggtggccc caccggccga gacagcgagc atatgcagga agcggcagga 120
227     ataaggaaaa gcagcctcct gactttcctc gcttggtggt ttgagtggac ctcccaggcc 180
228     agtgccgggc ccctcatagg agaggaagct cgggaggtgg ccaggcgga ggaaggcgca 240
229     cccccccagc aatccgcgcg ccgggacaga atgccctgca ggaacttctt ctggaagacc 300
230     ttctcctcct gcaaa 315
231 <210> SEQ ID NO 23
232 <211> LENGTH: 315
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234 <213> ORGANISM: Homo sapiens
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236     atgccattgt cccccggcct cctgctgctg ctgctctccg gggccacggc caccgctgcc 60
237     ctgcccctgg aggggtggccc caccggccga gacagcgagc atatgcagga agcggcagga 120
238     ataaggaaaa gcagcctcct gactttcctc gcttggtggt ttgagtggac ctcccaggcc 180
239     agtgccgggc ccctcatagg agaggaagct cgggaggtgg ccaggcgga ggaaggcgca 240
240     cccccccagc aatctgcgcg ccgggacaga atgccctgca ggaacttctt ctggaagacc 300
241     ttctcctcct gcaaa 315
242 <210> SEQ ID NO 24
243 <211> LENGTH: 36
244 <212> TYPE: DNA

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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VERIFICATION SUMMARY
PATENT APPLICATION US/09/207,168DATE: 03/14/2000
TIME: 16:10:23

Input Set: I207168.RAW

Line	Error/Warning	Original Text
671	W "N" or "Xaa" used: Feature required	gacagaatgc cctgcaggaa cttcttctgg aagacctt
681	W "N" or "Xaa" used: Feature required	atgccctgca ggaacttctt ctggaagacc ttcacntc
691	W "N" or "Xaa" used: Feature required	tgcaagaact tcttctggaa gaccttcacn tctgcaa
701	W "N" or "Xaa" used: Feature required	gacagaatgc cctgcaggaa cttcttctgg aagacctt
711	W "N" or "Xaa" used: Feature required	atgccctgca ggaacttctt ctggaagacc ttcacntc
721	W "N" or "Xaa" used: Feature required	tgcaagaact tcttctggaa gaccttcacn tctgc
731	W "N" or "Xaa" used: Feature required	gacagaatgc cctgcaaraa cttcttctgg aagacctt
741	W "N" or "Xaa" used: Feature required	atgccctgca araacttctt ctggaagacc ttcacntc
751	W "N" or "Xaa" used: Feature required	tgcaaraact tcttctggaa gaccttcacn tctgcaa
761	W "N" or "Xaa" used: Feature required	gacagaatgc cctgcaaraa cttcttctgg aagacctt
771	W "N" or "Xaa" used: Feature required	atgccctgca araacttctt ctggaagacc ttcacntc
781	W "N" or "Xaa" used: Feature required	tgcaaraact tcttctggaa gaccttcacn tctgc
810	W "N" or "Xaa" used: Feature required	ttctggaaga ccttcacntc ctgcaaa
821	W "N" or "Xaa" used: Feature required	ttctggaaga ccttcacntc ctgcaaa
832	W "N" or "Xaa" used: Feature required	ttctggaaga ccttcacntc ctgcaaa
843	W "N" or "Xaa" used: Feature required	ttctggaaga ccttcacntc ctgcaaa
872	W "N" or "Xaa" used: Feature required	ttctggaaga ccttcacntc ctgc
883	W "N" or "Xaa" used: Feature required	ttctggaaga ccttcacntc ctgc
894	W "N" or "Xaa" used: Feature required	ttctggaaga ccttcacntc ctgc
905	W "N" or "Xaa" used: Feature required	ttctggaaga ccttcacntc ctgc